



AI
Clearing



Distributed
ENERGY INFRASTRUCTURE

CASE STUDY

Distributed Energy Infrastructure Standardizes Portfolio Management with AI-Powered Insights from AI Clearing

Client: Distributed Energy Infrastructure (DEI)

Industry: Renewable Energy, EPC (Engineering, Procurement, and Construction)

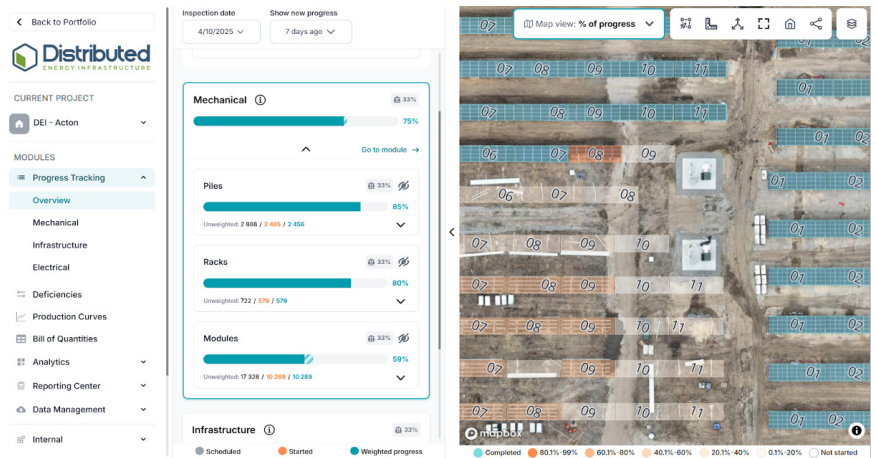
Solution: AI Clearing - AI-Powered Construction Progress and Quality Control Platform

Executive Summary

Distributed Energy Infrastructure (DEI) is a seasoned EPC leader dedicated to delivering turnkey solar and battery storage solutions across the United States. With over 1.2 GW of solar PV and 400 MWh of battery energy storage installed across 100+ projects, DEI brings technical excellence, market insight, and hands-on execution to each build.

Driven by a mission to provide “discrete and efficient service to the renewable markets,” their veteran team—rooted in engineering, procurement, construction, commissioning, and O&M—ensures every project meets high standards of quality, cost management, and risk mitigation.

In alignment with the client’s plan and expectations, AI Clearing implemented its AI analytics platform across DEI’s portfolio. This solution



-  **Delivers a unified, real-time view of site progress**
-  **Enables early issue detection of potential installation errors**
-  **Establishes a centralized “single source of truth” for all project data**

These capabilities meaningfully enhance efficiency, risk management, and reporting across the board.

The Challenge: Overcoming Portfolio Complexity and Manual Processes

As a premier EPC, DEI is known for delivering complex utility-scale solar projects with precision, efficiency, and innovation. Their rapidly expanding portfolio led them to seek a survey and project management technology that would help maintain high standards across all sites.

DEI partnered with AI Clearing to support these goals with enhanced real-time visibility, improved project tracking, and streamlined reporting. By collaborating with AI Clearing, DEI aimed to unify project data, proactively identify potential issues, and ensure each project stayed aligned with its operational benchmarks.



The Solution: A Strategic Partnership with AI Clearing

To standardize its processes, DEI implemented AI Clearing's AI-powered platform across its projects. Recognizing the platform's potential to serve as a long-term portfolio management solution, **DEI signed a two-year agreement to partner with AI Clearing.**

The process involves regular, high-precision drone flights over each construction site. The collected data is uploaded to the AI Clearing platform, which automatically analyzes the imagery to provide a complete and objective record of as-built conditions compared to as-designed plans.

The Results: A New Standard in Efficiency and Risk Mitigation

The implementation of AI Clearing delivered significant and measurable value to DEI across its portfolio.

1. Improved Progress Tracking and Reporting

The platform's automated production curves and Bill of Quantities analysis supplement time-consuming manual entry. This allowed project managers to instantly track progress against the schedule and report to asset owners with a high degree of confidence and visual clarity.

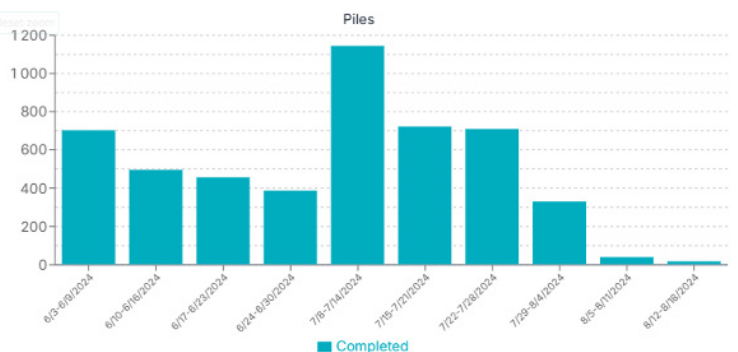
2. Early Detection of Installation Issues, Avoiding Costly Rework

AI Clearing's precision analytics proved invaluable for proactive quality control. This capability delivered immediate, tangible returns by preventing errors before they became major problems.

"The platform's ability to flag installation deviations is a game-changer," the Project Director noted. **"It caught a series of misaligned piles before we installed the racking. That single alert prevented what would have been a costly and time-consuming rework, saving us from a significant schedule delay. It's proactive quality control in action."**

3. Centralized Data and a Single Source of Truth

The platform eliminated data fragmentation by providing a single, cloud-based hub for all site documentation. This centralized view was crucial for managing a dispersed portfolio, since it allowed leadership and project teams to access consistent, real-time data from any location and ensure the entire organization operated from the same information.



Conclusion

Through its strategic partnership with AI Clearing, DEI has significantly augmented its capacity to oversee a geographically dispersed portfolio of intricate solar initiatives. The platform delivers the requisite transparency, operational streamlining, and preemptive identification of issues essential for risk mitigation, uniform reporting, and superior results. AI Clearing became an indispensable component of DEI's solar development resources, enabling them to execute projects with heightened efficacy while upholding rigorous standards of quality and performance – regardless of site placement.

"By partnering with AI Clearing, we've standardized our project oversight," concluded Sean Harrington, CEO of DEI. **"Now, wherever the project is located, our entire team—from the field to headquarters—is looking at the same data. It has replaced guesswork with certainty and given us a level of portfolio-wide visibility we simply didn't have before."**